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(SFRAnL)

Summary of Accidents Investigated by the Federal Railroad Administration

Calendar Year 1980

February 1982

COMPLETED

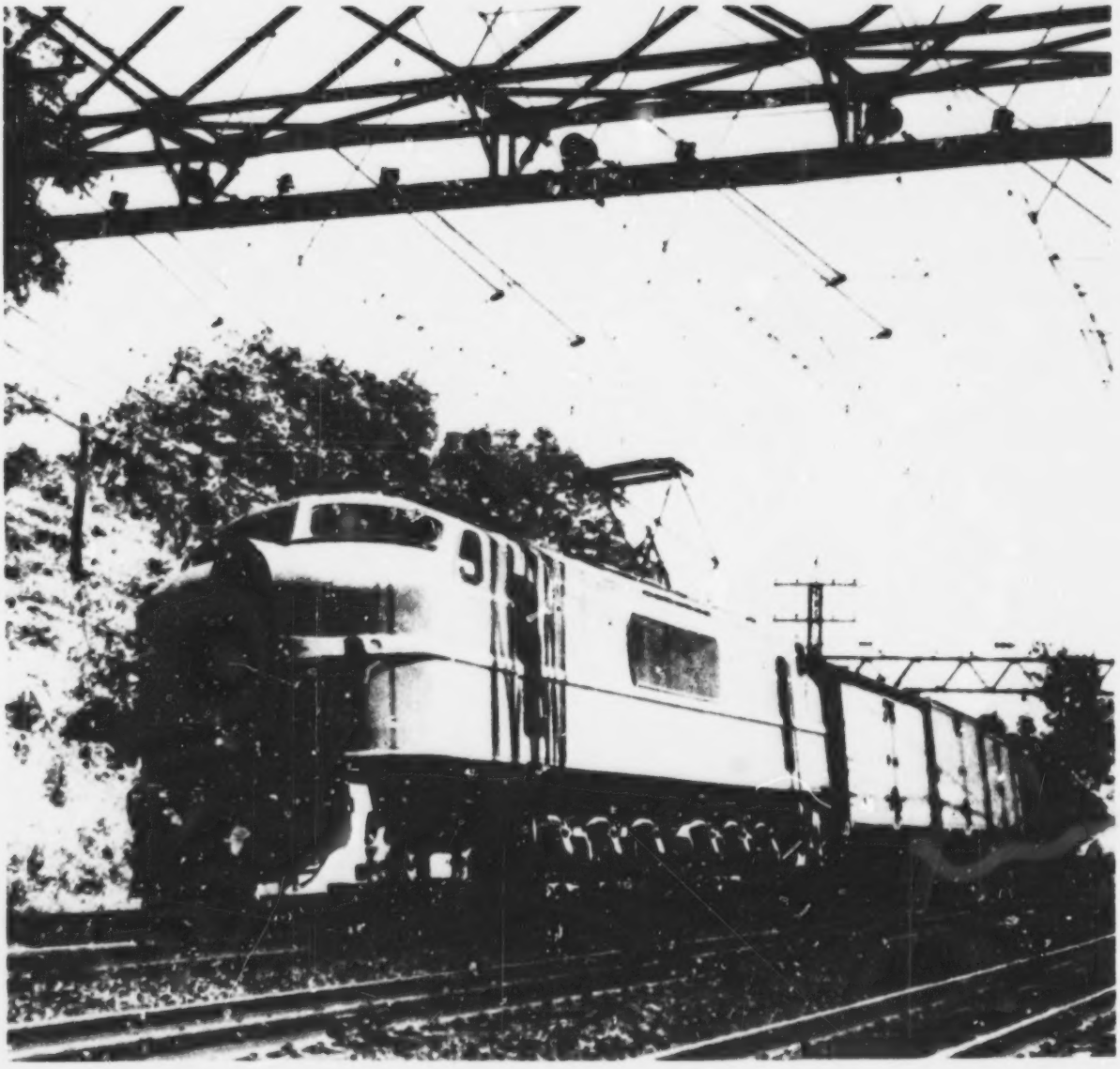
160

ORIGINAL

U.S. Department of Transportation

Federal Railroad Administration

Office of Safety



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INTRODUCTION

The 1980 Summary of Accidents Investigated by the Federal Railroad Administration (FRA) includes 130 railroad accidents.

This summary provides the following information:

- the railroad(s) involved
- the location and time of the accident
- the type of railroad accident
- the method of operation and movements involved
- the speed involved
- the type and class of track
- the number of casualties
- the estimated cost of railroad damages
- the probable cause and any contributing factor(s).

The railroad codes used in this summary can be found in the FRA Guide for Preparing Accident/Incident Reports, 1979, Appendix A.

Estimated railroad damage includes labor cost, and all other costs to repair or replace damaged on-track equipment, signals, track, track structures, or roadbed. The cost of lading and clearing the wreck, as well as the cost to society, is not included.

The data was edited and summarized by FRA personnel. The United States Government assumes no liability for its contents or use.

Federal Railroad Administration
Office of Safety, RRS-32
400 Seventh Street, S. W.
Washington, D. C. 20590

ACCIDENT SUMMARY

1. Accidents Investigated

During Calendar Year 1980, the Federal Railroad Administration investigated and determined the probable cause of 130 railroad accidents.

2. Type of Accident	No.	PERCENT
(a) Derailment	80	61.5
(b) Head-End Collision	9	6.9
(c) Rear-End Collision	21	16.2
(d) Side Collision	8	6.2
(e) Raking Collision	2	1.5
(f) Broken Train Collision	1	.8
(g) Rail-Highway Crossing	7	5.4
(h) Obstruction	2	1.5
Total	130	100.0

3. Accident Cause	No.	PERCENT
(a) Track Roadbed and Structure	30	23.1
(b) Mechanical and Electrical Failure	22	16.9
(c) Train Operation-Human Factor	58	44.6
(d) Miscellaneous	20	15.4
Total	130	100.0

4. Casualties	No.
(a) Killed	34
(b) Injured	853

5.

TRACK CLASS	ACCI-DENTS	TOTAL DAMAGE	EQUIPMENT DAMAGE	TRACK DAMAGE	COLLI-SIONS	DERAIL-MENTS	OTHER ACCIDENTS	TRACK CAUSED	EQUIPMENT FAILURE	HUMAN FACTORS	OTHER CAUSES
1	17	$1,551,811	$1,351,130	$200,681	4	11	2	5	1	7	4
2	13	$3,454,927	$3,255,250	$199,677	5	7	1	2	2	8	1
3	34	$11,036,111	$9,694,303	$1,341,808	7	24	3	11	6	11	6
4	53	$25,056,074	$23,181,839	$1,874,235	17	33	3	9	12	24	8
5	11	$4,082,987	$3,863,561	$219,426	7	4	---	3	1	7	---
6	2	$101,000	$83,000	$18,000	1	1	---	---	---	1	1
TOTAL	130	$45,282,910	$41,429,083	$3,853,827	41	80	9	30	22	58	20

BEST DOCUMENT AVAILABLE

6.

INVOLVEMENT OF TRAIN ACCIDENTS BY RAILROAD, TYPE, AND CAUSE

	.....COLLISIONS.....				.....DERAILMENTS.....				.....OTHER.....				
	HUMAN FACTORS	EQUIP	TRACK	OTHER	HUMAN FACTORS	EQUIP	TRACK	OTHER	HUMAN FACTORS	EQUIP	TRACK	OTHER	TOTAL
ALABAMA GREAT SOUTHERN RAILROAD	---	---	---	---	---	---	1	---	---	---	---	---	1
ATLANTA AND ST. ANDREWS BAY RR CO	1	---	---	---	---	---	---	---	---	---	---	---	1
AMTRAK	3	---	---	2	2	2	4	1	1	---	---	---	15
ATCHISON, TOPEKA AND SANTA FE RAILWAY	4	---	2	---	---	---	2	---	---	---	---	---	8
ATLANTA AND WEST POINT RAILROAD COMPANY	---	2	---	---	---	---	---	---	---	---	---	---	2
BOSTON AND MAINE CORPORATION	2	---	---	---	---	---	2	---	---	---	---	1	5
BURLINGTON NORTHERN	3	---	---	---	3	3	3	1	---	---	---	---	13
BALTIMORE AND OHIO RAILROAD	2	---	---	---	2	2	2	4	---	---	---	---	12
BALTIMORE AND OHIO CHICAGO TERMINAL RR	1	---	---	---	---	---	---	---	---	---	---	---	1
CHICAGO AND NORTH WESTERN TRANSPORTATION CO.	2	---	---	---	3	2	---	---	---	---	---	---	7
CHESAPEAKE AND OHIO RAILWAY COMPANY	---	---	---	---	1	---	3	---	---	---	---	---	4
CONSOLIDATED RAIL CORP.	12	---	---	2	4	5	3	---	1	---	---	1	28
CENTRAL VERMONT	2	---	---	---	---	---	---	---	---	---	---	---	2
ELGIN, JOLIET AND EASTERN RAILWAY	1	---	---	---	---	---	---	---	---	---	---	---	1
FLORIDA EAST COAST RAILWAY	---	---	---	2	---	---	---	---	---	---	---	---	2
GEORGIA RAILROAD	---	---	---	---	---	1	1	---	---	---	---	---	2
ILLINOIS CENTRAL GULF RAILROAD	2	---	---	---	---	---	5	2	---	---	---	2	11
KANSAS CITY SOUTHERN RAILWAY	2	---	---	---	---	---	---	---	---	---	---	---	2
LOUISIANA AND ARKANSAS RAILWAY COMPANY	---	---	---	---	---	1	---	---	---	---	---	---	1
LONG ISLAND RAILROAD	3	---	---	---	---	---	---	---	---	---	---	---	3
LOUISVILLE AND NASHVILLE RAILROAD	5	---	1	---	1	2	1	1	---	---	---	---	11
MAINE CENTRAL RAILROAD	---	---	---	---	---	---	1	---	---	---	---	---	1
CHICAGO, MILWAUKEE, ST. PAUL AND PACIFIC	2	---	---	---	---	---	---	---	---	---	---	1	3
MISSOURI-KANSAS-TEXAS RAILROAD	2	---	---	---	---	---	---	---	---	---	---	---	2
MISSOURI PACIFIC RAILROAD	2	---	---	---	2	4	1	---	---	---	---	---	9
NORFOLK AND WESTERN RAILWAY	6	---	1	---	---	---	2	---	---	---	---	---	9
SEABOARD COAST LINE RAILROAD	1	1	---	---	---	---	---	---	---	---	---	1	3
ST. LOUIS-SAN FRANCISCO RAILWAY	---	---	---	---	---	1	---	---	---	---	---	---	1
SOUTHERN RAILWAY	---	---	---	---	1	---	---	---	---	---	---	1	2
SOUTHERN PACIFIC TRANSPORTATION COMPANY	3	---	---	---	1	1	---	---	---	---	---	---	5
TOLDEO, PEORIA AND WESTERN RAILROAD	2	---	---	---	---	---	---	---	---	---	---	---	2
UNION PACIFIC RAILROAD	4	---	---	2	1	---	---	---	---	---	---	---	7
UNITED STATES STEEL CORPORATION	1	---	---	---	---	---	---	---	---	---	---	---	1
WESTERN MARYLAND RAILWAY	---	---	---	---	1	---	---	---	---	---	---	---	1
WESTERN PACIFIC	1	---	---	---	3	---	---	---	---	---	---	---	4
STATEN ISLAND RAPID TRANSIT OPER. AUTH.	---	---	---	---	---	---	---	---	1	---	---	---	1
TOTAL	69	3	4	8	25	24	31	9	3	---	---	7	183

BEST DOCUMENT AVAILABLE

REPORT NUMBER	RAILROAD CODE	....ACCIDENT LOCATION....		DATE	PAGE
1	ATSF	SHAFTER	CA	01/04/80	1
2	ATK/ BM	BOSTON	MA	01/08/80	1
3	LN	WORTHVILLE	KY	01/11/80	1
4	CR	MILLFIELD	OH	01/13/80	2
5	CR	LANGHORNE	PA	01/13/80	2
6	BN	RIDGEFIELD	WA	01/14/80	2
7	BO	FAYNE	OH	01/24/80	3
8	LN	ACWORTH	GA	01/25/80	3
9	SOU	BROWNS	IL	01/25/80	3
10	CR	CORNING	NY	01/28/80	4
11	CR	ODENTON	MD	01/30/80	4
12	BM	EAGLE BRIDGE	NY	02/02/80	4
13	MKT	RAY	TX	02/05/80	5
14	ICG	HENNING	TN	02/05/80	5
15	TPW	EAST PEORIA	IL	02/06/80	5
16	CR	EASTON	PA	02/07/80	6
17	SOU	CAYCE	SC	02/07/80	6
18	ATSF/ ATK	SHOEMAKER	NM	02/07/80	6
19	MP	O'KEAN	AR	02/09/80	7
20	WP/ SP	PREBLE	NV	02/10/80	7
21	BN	SCENIC	WA	02/10/80	7
22	SP	LODI	CA	02/11/80	8
23	BO	ORLEANS ROAD	WV	02/12/80	8
24	MP	MOMENCE	IL	02/13/80	8
25	ICG	SLEDGE	MS	02/13/80	9
26	BN	ANGORA	NE	02/16/80	9
27	CV	GIBBS	CT	02/22/80	9
28	CR/ BO	OUTVILLE	OH	02/26/80	10
29	CNW	WAUKEGAN	IL	03/13/80	10
30	BN/ ATK	GLACIER PARK	MT	03/14/80	10
31	BN/ ATK	ARLINGTON	IL	03/19/80	11
32	LN	GRAYSVILLE	GA	03/20/80	11
33	CR/ ATK	DARIEN	CT	03/24/80	11
34	KCS	SALLISAW	OK	03/28/80	12
35	SCL / ATK	SOUTHERN PINES	NC	04/02/80	12
36	BM	MYSTIC JUNCTION	MA	04/03/80	12
37	CO	HURRICANE	WV	04/05/80	13
38	MP	ARLINGTON	CO	04/07/80	13
39	WP	HAYWARD	CA	04/09/80	13
40	CR	BALTIMORE	MD	04/10/80	14

REPORT NUMBER	RAILROAD CODE	....ACCIDENT LOCATION....		DATE	PAGE
41	AGS	PICAYUNE	MS	04/13/80	14
42	GA	BUCKHEAD	GA	04/19/80	14
43	CR	NEW CARLISLE	IN	04/27/80	15
44	ICG/ ATK	HUMBOLDT	IL	05/07/80	15
45	ATSF	PISGAH	CA	05/11/80	15
46	ICG/ ATK	GALTON	IL	05/12/80	16
47	NW	PALMER	IL	05/18/80	16
48	CO	YOLYN	WV	05/30/80	16
49	BO	RIDGWAY	PA	06/04/80	17
50	ATK/ CR	BALTIMORE	MD	06/05/80	17
51	LA	GARLAND	TX	06/06/80	17
52	MILW/ BOCT/ IHB	NORPAUL	IL	06/08/80	18
53	MILW	GRAYS LAKE	IL	06/10/80	18
54	SP	SMALL	TX	06/15/80	18
55	ICG	HAMMOND	LA	06/17/80	19
56	EJE/ USSC	GARY	IN	06/21/80	19
57	BO	GAITHERSBURG	MD	06/23/80	19
58	ICG/ ATK	MEMPHIS	TN	06/27/80	20
59	WM	EDGEMONT	MD	06/27/80	20
60	CO	ENSEL	MI	07/02/80	20
61	ICG	MAXON	KY	07/08/80	21
62	ATK	LINDEN	NJ	07/09/80	21
63	BN	HASTINGS	IA	07/10/80	21
64	NW	WILLIAMSPORT	IN	07/15/80	22
65	CR	NORTH WALES	PA	07/17/80	22
66	LN	STANTON	TN	07/21/80	22
67	ICG	MULDRAUGH	KY	07/26/80	23
68	CR	MEEKERS	OH	07/30/80	23
69	UP	DAVENPORT	NE	07/31/80	23
70	CR	CROTON HARMON	NY	07/31/80	24
71	BO	HAYDEN	IN	08/19/80	24
72	BN	CASSVILLE	WI	08/20/80	24
73	ATSF	AUGUSTA	KS	08/20/80	25
74	CNW	DES MOINES	IA	08/21/80	25
75	CR/ ATK	PHILADELPHIA	PA	08/25/80	25
76	BN	FERMOY	MN	08/26/80	26
77	SP/ ATK	GIBSON	CA	08/28/80	26
78	MEC	EAST ST JOHNSBURY	VT	08/28/80	26
79	MILW/ BN	ST. CROIX	MN	08/29/80	27

REPORT NUMBER	RAILROAD CODE	....ACCIDENT LOCATION....		DATE	PAGE
80	BN	WATERMAN	IL	09/01/80	27
81	NW/ LN	TACOMA	VA	09/03/80	27
82	SP	COOKS POINT	TX	09/04/80	28
83	NW	FARM	WV	09/06/80	28
84	BO	SUMNER	IL	09/08/30	28
85	CNW	AGNEW	IL	09/09/80	29
86	BO	ROWLESBURG	WV	09/17/80	29
87	ATK/ ATSF/ ICG	CHICAGO	IL	09/17/80	29
88	BO	HOWARD	PA	09/17/80	30
89	BN	SNOHOMISH JCT.	WA	09/20/80	30
90	CR	NEW YORK	NY	09/23/80	30
91	BN	MENDOTA	IL	09/25/80	31
92	CNW	MISSOURI VALLEY	IA	09/25/80	31
93	BO	SHELBY	OH	09/27/80	31
94	CR/ ATK	PAOLI	PA	09/28/80	32
95	NW	EXCELSIOR	WV	09/30/80	32
96	FEC	VERO BEACH	FL	10/01/80	32
97	CR	ROCKVILLE	OH	10/06/80	33
98	LN	CRESTVIEW	FL	10/07/80	33
99	LI	LYNBROOK	NY	10/07/80	33
100	ICG/ ATK	CRYSTAL SPRINGS	MS	10/12/80	34
101	ICG	LORENZO	IL	10/13/80	34
102	CR/ ATK	RENSSELAER	NY	10/14/80	34
103	UP	HERMOSA	WY	10/16/80	35
104	MP	ST. LOUIS	MO	10/17/80	35
105	AWP/ LN / SCL	TILFORD	GA	10/21/80	35
106	ATSF	HOLT	CA	10/23/80	36
107	CR	BUFFALO	NY	10/25/80	36
108	LN	UPTON	IN	10/25/80	36
109	CR	ARCOLA	IN	10/27/80	37
110	ICG/ ATK	KANSAS CITY JCT.	IL	10/30/80	37
111	SLSF	ST. JAMES	MO	11/01/80	37
112	ATSF	BENEDUM	TX	11/02/80	38
113	CR/ ATK	DOBBS FERRY	NY	11/07/80	38
114	MP	KILDARE	TX	11/11/80	38
115	UP	BLACK BUTTES	WY	11/12/80	39
116	TRRA/ BN	GRANITE CITY	IL	11/16/80	39

REPORT NUMBER	RAILROAD CODE	....ACCIDENT LOCATION....		DATE	PAGE
117	UP	KELSO	CA	11/17/80	39
118	ASAB/ LN	COTTONDALE	FL	11/21/80	40
119	CNW	WAUKEGAN	IL	11/24/80	40
120	ICG	KENNER	LA	11/25/80	40
121	GA	SOCIAL CIRCLE	GA	11/26/80	41
122	SCL	THRIFT	NC	11/29/80	41
123	BO	NEW MIAMI	OH	12/04/80	41
124	CR	SYRACUSE	NY	12/08/80	42
125	BM	MANCHESTER	NH	12/15/80	42
126	MP	ALIX	AR	12/16/80	42
127	WP	CLIVE	UT	12/28/80	43
128	SIRC	STATEN ISLAND	NY	12/29/80	43
129	NW	SINGER	VA	12/29/80	43
130	BN / SLSF	REPUBLIC	MO	12/30/80	44

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	01/04/80	8:49 AM	SHAFTER	CA	HEAD-END COLLISION	1	0	$716

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
1 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X3277 50 MPH
WORK TRAIN TK CR 0 MPH

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: FAILURE OF THE CREW (EXTRA 3277 EAST) TO OPERATE THE TRAIN IN ACCORDANCE WITH RESTRICTIVE SIGNAL INDICATIONS.

CONTRIBUTING FACTOR: CREW FAILED TO TAKE NECESSARY ACTION TO INSURE SAFETY OF THE TRAIN. HEAVY FOG IN ACCIDENT AREA.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK BM	01/08/80	8:47 AM	BOSTON	MA	DERAILMENT	0	0	$500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
2 METHOD OF OPERATION: INTERLOCKING
MOVEMENTS INVOLVED: PASSENGER TRAIN 306 8 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)

PROBABLE CAUSE: FALSE PROCEED SIGNAL INDICATION.

CONTRIBUTING FACTOR: BACK-HOE DAMAGED SIGNAL CABLES. CIRCUITS CROSSED PERMITTING SWITCH TO BE OPERATED UNDER TRAIN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
LN	01/11/80	12:35 PM	WORTHVILLE	KY	DERAILMENT	0	0	$480,214

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
3 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X6028 37 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S)
31 CAR(S)

PROBABLE CAUSE: OVERTURNING OF OUTSIDE RAIL ON A 3-DEGREE, 29-MINUTE CURVE DUE TO EXCESSIVE LATERAL FORCE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	01/13/80	06:03 AM	MILLFIELD	OH	DERAILMENT	0	0	$81,678

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
4 METHOD OF OPERATION: TIME TABLE
TRAIN ORDERS
MANUAL BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN X7951 29 MPH
EQUIPMENT DERAILED: 18 CAR(S)

PROBABLE CAUSE: RIGID TRUCKS ON COVERED HOPPER CAR (EL 20003) DID NOT NEGOTIATE THE 8-DEGREE, 13-MINUTE CURVE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	01/13/80	04:46 PM	LANGHORNE	PA	DERAILMENT	0	0	$53,350

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
5 METHOD OF OPERATION: AUTOMATIC BLOCK
CAB SIGNAL
MOVEMENTS INVOLVED: FREIGHT TRAIN ENCR3 42 MPH
EQUIPMENT DERAILED: 11 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: COUPLER RETAINING PIN CAME OUT OF BOX CAR (MP 266748).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	01/14/80	4:50 PM	RIDGEFIELD	WA	DERAILMENT	2	1	$833,700

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
6 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X6467 45 MPH
EQUIPMENT DERAILED: 4 LOCOMOTIVE UNIT(S)
19 CAR(S)

PROBABLE CAUSE: MUD SLIDE.

CONTRIBUTING FACTOR: THERE WAS AN UNUSUAL AMOUNT OF PRECIPITATION IN THE AREA DURING THE WEEK PRIOR TO THE ACCIDENT.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BO	01/24/80	3:50 PM	FAYNE	OH	DERAILMENT	0	0	$108,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
7 METHOD OF OPERATION: TIME TABLE / TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN CH-94 42 MPH
EQUIPMENT DERAILED: 24 CAR(S)

PROBABLE CAUSE: UNDETERMINED.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
LN	01/25/80	12:46 AM	ACWORTH	GA	DERAILMENT	0	0	$14,200

TYPE OF TRACK: SIDING
CLASS OF TRACK: 1
8 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X2735 7 MPH
EQUIPMENT DERAILED: 4 CAR(S)

PROBABLE CAUSE: A SECTION OF 90-POUND JOINTED RAIL BROKE INTO FOUR PARTS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SOU	01/25/80	4:05 PM	BROWNS	IL	DERAILMENT	0	2	$743,600

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
9 METHOD OF OPERATION: TIME TABLE / TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN 127 43 MPH
EQUIPMENT DERAILED: 3 LOCOMOTIVE UNIT(S)
25 CAR(S)

PROBABLE CAUSE: SWITCH LEFT OPEN BY A COMMUNICATION AND SIGNAL CONSTRUCTION CREW DURING THE INSTALLATION AND TESTING OF AUTOMATIC BLOCK SYSTEM.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	01/28/80	7:10 AM	CORNING	NY	SIDE COLLISION	0	2	$264,662

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
10 METHOD OF OPERATION: INTERLOCKING
TRAFFIC CONTROL
EQUIPMENT DERAILED: 6 LOCOMOTIVE UNIT(S)
3 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN AP-3 25 MPH
FREIGHT TRAIN BIPJ8 2 MPH

PROBABLE CAUSE: FAILURE OF THE CREW TO OPERATE TRAIN AP-3 IN ACCORDANCE WITH CARRIER RULES AFTER BEING DELAYED IN THE BLOCK.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	01/30/80	11:43 PM	ODENTON	MD	DERAILMENT	0	0	$119,750

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
11 METHOD OF OPERATION: AUTOMATIC BLOCK
EQUIPMENT DERAILED: 16 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X4458 52 MPH

PROBABLE CAUSE: UNIT BRAKE BEAM ON SCL 830430 DROPPED IN TRACK GAGE.

CONTRIBUTING FACTOR: WORN BRAKE BEAM, TRUCK BOLSTER, AND SIDE FRAME COLUMN GUIDES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BM	02/02/80	12:45 PM	EAGLE BRIDGE	NY	DERAILMENT	0	0	$368,937

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
12 METHOD OF OPERATION: INTERLOCKING
TRAFFIC CONTROL
EQUIPMENT DERAILED: 36 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X 210 38 MPH

PROBABLE CAUSE: IRREGULAR CROSS-LEVEL OF TRACK (2.25 INCHES WITHIN 50 FEET).

CONTRIBUTING FACTOR: EXCESSIVE SIDE BEARING CLEARANCE ON A COVERED HOPPER CAR (N&W 330453).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MKT	02/05/80	2:15 AM	RAY	TX	REAR-END COLLISION	1	3	$1,920,211

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
13 METHOD OF OPERATION: AUTOMATIC BLOCK
YARD RULES
EQUIPMENT DERAILED: 61 CAR(S)

MOVEMENTS INVOLVED: YARD/SWITCHING 2 MPH
CUT OF CARS 55 MPH

PROBABLE CAUSE: FAILURE TO APPLY HAND BRAKES ON A CUT OF CARS LEFT ON A DESCENDING GRADE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	02/05/80	4:10 AM	HENNING	TN	REAR-END COLLISION	0	2	$412,800

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
14 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 4 LOCOMOTIVE UNIT(S)
11 CAR(S)
1 CABOOSE(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X3070 0 MPH
FREIGHT TRAIN X9626 15 MPH

PROBABLE CAUSE: FAILURE OF THE FOLLOWING CREW (EXTRA 9626 SOUTH) TO CONTROL TRAIN SPEED IN ACCORDANCE WITH SIGNAL INDICATIONS AND VISIBILITY CONDITIONS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
TPW	02/06/80	8:20 AM	EAST PEORIA	IL	REAR-END COLLISION	0	3	$40,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
15 METHOD OF OPERATION: TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)

MOVEMENTS INVOLVED: LIGHT LOCO(S) 202 15 MPH
FREIGHT TRAIN 25 35 MPH

PROBABLE CAUSE: FAILURE OF CREW (NO. 202) TO PROVIDE PROPER FLAG PROTECTION FOR ITS MOVEMENT WHILE OPERATING AT LESS THAN HALF THE MAXIMUM AUTHORIZED SPEED.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	02/07/80	11:35 AM	EASTON	PA	DERAILMENT	0	0	$38,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
16 METHOD OF OPERATION: INTERLOCKING, AUTOMATIC BLOCK, TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X3259 10 MPH
EQUIPMENT DERAILED: 7 CAR(S)

PROBABLE CAUSE: EXCESSIVE LATERAL DRAWBAR FORCES CREATED BY A 4-DEGREE CHANGE IN CURVATURE, COMPOUNDED BY REVERSE SUPERELEVATION AT THE EAST END OF CROSSOVER SWITCH NO. 34, CAUSED A WHEEL OF TANK CAR (NATX 33866) TO LIFT AND DERAIL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SOU	02/07/80	3:40 PM	CAYCE	SC	RAIL-HWY CROSSING	0	4	$145,250

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
17 METHOD OF OPERATION: TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN 98 38 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S), 7 CAR(S)

PROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE RAIL-HIGHWAY CROSSING.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF ATK	02/07/80	5:00 PM	SHOEMAKER	NM	DERAILMENT	0	0	$85,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
18 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN 4-F 40 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S), 9 CAR(S)

PROBABLE CAUSE: THE LATERAL FORCE OF THE HTC-TYPE 3-AXLE TRUCKS UNDER THE LOCOMOTIVE WAS SUFFICIENT TO ROLL THE HIGH RAIL ON A 4-DEGREE, 55-MINUTE CURVE.

CONTRIBUTING FACTOR: CURVE WORN RAIL AND 1.5-INCH EXCESSIVE SUPERELEVATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	02/09/80	6:38 PM	O'KEAN	AR	DERAILMENT	0	1	$670,000

TYPE OF TRACK: SIDING
CLASS OF TRACK: 4
19 METHOD OF OPERATION: TRAFFIC CONTROL
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X3215 15 MPH
FREIGHT TRAIN X6371 0 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)
9 CAR(S)

PROBABLE CAUSE: THIN FLANGE WHEEL ON TANK CAR (GATX 84715).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
WP SP	02/10/80	02:35 AM	PREBLE	NV	REAR-END COLLISION	0	1	$105,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
20 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN X3508 15 MPH
FREIGHT TRAIN X8869 0 MPH
EQUIPMENT DERAILED: 1 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 3508 EAST) TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	02/10/80	02:15 PM	SCENIC	WA	DERAILMENT	0	3	$300,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
21 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X6367 75 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)

PROBABLE CAUSE: FAILURE OF CREW TO PROPERLY SECURE THE LOCOMOTIVE UNIT AFTER IT WAS SEPARATED FROM THE TRAIN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	02/11/80	1:20 AM	LODI	CA	SIDE COLLISION	0	4	$236,100

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
22 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 4 LOCOMOTIVE UNIT(S), 27 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X9388 15 MPH; FREIGHT TRAIN X9143 15 MPH

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 9143 EAST) TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATIONS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BO	02/12/80	05:54 AM	ORLEANS ROAD	WV	HEAD-END COLLISION	1	7	$1,579,550

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
23 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 4 LOCOMOTIVE UNIT(S), 19 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X6474 24 MPH; FREIGHT TRAIN X4367 30 MPH

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 6474 EAST) TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATIONS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	02/13/80	2:45 AM	MOMENCE	IL	DERAILMENT	0	2	$471,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
24 METHOD OF OPERATION: INTERLOCKING, AUTOMATIC BLOCK
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S), 24 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN CLY12 50 MPH; FREIGHT TRAIN JCZ12 30 MPH

PROBABLE CAUSE: BROKEN TRUCK SIDE FRAME ON BOX CAR (CEI 118938).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	02/13/80	3:45 AM	SLEDGE	MS	DERAILMENT	0	0	$398,000

	TYPE OF TRACK:	MAIN				
	CLASS OF TRACK:	3				
25	METHOD OF OPERATION:	TIME TABLE TRAIN ORDERS	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X3244	35 MPH
	EQUIPMENT DERAILED:	17 CAR(S)				

PROBABLE CAUSE: BOLT HOLE CRACKS IN THE 115-POUND RAIL CAUSED RAIL FAILURE IN THE JOINT AREA.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	02/16/80	03:30 AM	ANGORA	NE	BROKEN TRAIN COLLISION	2	3	$1,530,000

	TYPE OF TRACK:	MAIN				
	CLASS OF TRACK:	4				
26	METHOD OF OPERATION:	TIME TABLE TRAIN ORDERS	MOVEMENTS INVOLVED:	LIGHT LOCO(S) CUT OF CARS	X2048	46 MPH 0 MPH
	EQUIPMENT DERAILED:	3 LOCOMOTIVE UNIT(S) 11 CAR(S)				

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 2048 EAST) TO CONTROL THE SPEED OF THE LOCOMOTIVE UNITS ON A DESCENDING GRADE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CV	02/22/80	11:15 AM	GIBBS	CT	HEAD-END COLLISION	0	3	$54,500

	TYPE OF TRACK:	MAIN				
	CLASS OF TRACK:	2				
27	METHOD OF OPERATION:	TIME TABLE TRAIN ORDERS	MOVEMENTS INVOLVED:	FREIGHT TRAIN SINGLE CAR	X3609 TC-69	23 MPH 15 MPH
	EQUIPMENT DERAILED:	1 CAR(S)				

PROBABLE CAUSE: FAILURE OF THE CREW TO PROVIDE PROPER PROTECTION FOR THE OPERATION OF THE HIGHWAY-RAIL VEHICLE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR BO	02/26/80	8:43 PM	OUTVILLE	OH	DERAILMENT	0	0	$211,350

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
28 METHOD OF OPERATION: AUTOMATIC BLOCK
EQUIPMENT DERAILED: 11 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN SLEN6 48 MPH

PROBABLE CAUSE: MISSING DRAFT KEY RETAINER ALLOWED THE DRAFT KEY AND COUPLER TO PULL OUT OF THE "A" END OF A COVERED HOPPER CAR (PC 888661).

CNW	03/13/80	9:16 AM	WAUKEGAN	IL	SIDE COLLISION	0	1	$81,400

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
29 METHOD OF OPERATION: AUTOMATIC BLOCK
EQUIPMENT DERAILED: 2 CAR(S)
MOVEMENTS INVOLVED: PASSENGER TRAIN 332 10 MPH
FREIGHT TRAIN X4313 3 MPH

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 4313) TO WAIT FIVE MINUTES BEFORE ITS TRAIN ENTERED OR FOULED A MAIN TRACK AFTER OPERATING THE SWITCHES TO ESTABLISH BLOCK SIGNAL PROTECTION.

BN ATK	03/14/80	4:05 PM	GLACIER PARK	MT	DERAILMENT	0	123	$558,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
30 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S)
8 CAR(S)
MOVEMENTS INVOLVED: PASSENGER TRAIN 7 37 MPH

PROBABLE CAUSE: A COMBINATION OF DEFECTS ON THE LEAD TRUCK OF THE FIRST CAR (ATK 1225) PREVENTED THE CAR FROM NEGOTIATING THE CURVE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN ATK	03/19/80	11:25 AM	ARLINGTON	IL	DERAILMENT	0	0	$3,750

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
31 METHOD OF OPERATION: TRAFFIC CONTROL
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 1 CAR(S)

MOVEMENTS INVOLVED: PASSENGER TRAIN 6 75 MPH

PROBABLE CAUSE: BROKEN WHEEL ON PASSENGER CAR (AMT 2760).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
LN	03/20/80	11:32 AM	GRAYSVILLE	GA	REAR-END COLLISION	1	3	$240,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
32 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 3 LOCOMOTIVE UNIT(S)
4 CAR(S)
1 CABOOSE(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X3554 0 MPH
FREIGHT TRAIN X3573 30 MPH

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 3573 NORTH) TO OPERATE THE TRAIN IN COMPLIANCE WITH "RESTRICTED PROCEED" SIGNAL INDICATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR ATK	03/24/80	1:07 PM	DARIEN	CT	OBSTRUCTION	0	5	$177,150

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
33 METHOD OF OPERATION: AUTOMATIC BLOCK
EQUIPMENT DERAILED: 1 CAR(S)

MOVEMENTS INVOLVED: WORK TRAIN 102 0 MPH
PASSENGER TRAIN 168 65 MPH

PROBABLE CAUSE: FAILURE OF THE MAINTENANCE-OF-WAY CREW TO OBTAIN PERMISSION FROM THE TRAIN DISPATCHER BEFORE FOULING THE ADJACENT TRACKS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
KCS	03/28/80	9:00 AM	SALLISAW	OK	REAR-END COLLISION	0	5	$63,700

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
34 METHOD OF OPERATION: TRAFFIC CONTROL

MOVEMENTS INVOLVED: FREIGHT TRAIN X663 0 MPH
FREIGHT TRAIN X685 18 MPH

EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)
3 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 685 NORTH) TO OPERATE THE TRAIN IN COMPLIANCE WITH RESTRICTIVE SIGNAL INDICATIONS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SCL ATK	04/02/80	07:29 AM	SOUTHERN PINES	NC	HEAD-END COLLISION	0	125	$1,285,192

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
35 METHOD OF OPERATION: TRAFFIC CONTROL

MOVEMENTS INVOLVED: FREIGHT TRAIN X2771 33 MPH
PASSENGER TRAIN 82 3 MPH

EQUIPMENT DERAILED: 4 LOCOMOTIVE UNIT(S)
19 CAR(S)

PROBABLE CAUSE: FAILURE OF CREW (NO. 82) TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BM	04/03/80	09:00 AM	MYSTIC JUNCTION	MA	SIDE COLLISION	0	6	$8,100

TYPE OF TRACK: YARD
CLASS OF TRACK: 1
36 METHOD OF OPERATION: YARD RULES

MOVEMENTS INVOLVED: YARD/SWITCHING 806 0 MPH
YARD/SWITCHING 1740 4 MPH

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: FAILURE OF CREW (NO. 1740) TO OPERATE THE SWITCHING MOVEMENT IN ACCORDANCE WITH CARRIER YARD RULES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CO	04/05/80	8:35 AM	HURRICANE	WV	DERAILMENT	0	5	$416,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
37 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X3750 42 MPH
FREIGHT TRAIN X4098 23 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S)
9 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: BROKEN RAIL (BOLT HOLE CRACK).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	04/07/80	08:50 AM	ARLINGTON	CO	DERAILMENT	0	0	$151,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
38 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN X3070 41 MPH
EQUIPMENT DERAILED: 45 CAR(S)

PROBABLE CAUSE: BROKEN RAIL, HEAD AND WEB SEPARATION, WIT IN JOINT BAR LIMITS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
WP	04/09/80	06:55 PM	HAYWARD	CA	DERAILMENT	2	3	$1,186,910

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
39 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X3734 60 MPH
FREIGHT TRAIN X3540 60 MPH
EQUIPMENT DERAILED: 3 LOCOMOTIVE UNIT(S)
7 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: FAILURE OF BOTH CREWS TO OPERATE THE COMBINED TRAIN (EXTRA 3734 AND EXTRA 3540) IN COMPLIANCE WITH TIMETABLE RESTRICTIONS, OPERATING RULES, AND PROPER TRAIN HANDLING PROCEDURES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	04/10/80	3:28 AM	BALTIMORE	MD	DERAILMENT	0	0	$35,100

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
40 METHOD OF OPERATION: AUTOMATIC BLOCK — MOVEMENTS INVOLVED: FREIGHT TRAIN — PYSE9 — 15 MPH
EQUIPMENT DERAILED: 6 CAR(S)

PROBABLE CAUSE: EXCESSIVE BUFFING ACTION CAUSED THE WHEELS OF THE EIGHTH CAR (LTTX 501304) TO LIFT AND DERAIL.

CONTRIBUTING FACTOR: POSITIONING OF LOADS ON REAR OF TRAIN AND HEAVY USE OF DYNAMIC BRAKING.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
AGS	04/13/80	2:20 PM	PICAYUNE	MS	DERAILMENT	0	0	$516,350

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
41 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS — MOVEMENTS INVOLVED: FREIGHT TRAIN — 168 — 42 MPH
EQUIPMENT DERAILED: 3 LOCOMOTIVE UNIT(S)
30 CAR(S)

PROBABLE CAUSE: HEAVY RAIN IN THE ACCIDENT AREA SATURATED A SAND FILL ALONG THE NORTH AND SOUTH APPROACHES TO THE MILL CREEK TRESTLE. THE SATURATION CAUSED THE SAND-BASE FILL TO ERODE AND PORTIONS OF THE EMBANKMENT TO SLIDE OR FALL AWAY.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
GA	04/19/80	8:05 PM	BUCKHEAD	GA	DERAILMENT	0	0	$320,110

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
42 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS — MOVEMENTS INVOLVED: FREIGHT TRAIN — 1/278 — 25 MPH
EQUIPMENT DERAILED: 21 CAR(S)

PROBABLE CAUSE: VARIATIONS IN CROSS-LEVEL ON THE 3-DEGREE CURVE, WHICH EXCEEDED THE MINIMUM LIMITS FOR CLASS 2 TRACK, CAUSED TANK CAR (UTLX 83827) AND 20 OTHER CARS TO DERAIL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	04/27/80	5:05 AM	NEW CARLISLE	IN	RAKING COLLISION	1	2	$468,650

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
43 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN X3335 50 MPH
FREIGHT TRAIN X3278 47 MPH
EQUIPMENT DERAILED: 51 CAR(S)

PROBABLE CAUSE: SHIFTED LOAD IN GONDOLA CAR (SOU 62113) FOULED THE ADJACENT MAIN TRACK.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG ATK	05/07/80	9:10 AM	HUMBOLDT	IL	DERAILMENT	0	50	$112,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
44 METHOD OF OPERATION: CAB SIGNAL
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN 58 90 MPH
EQUIPMENT DERAILED: 10 CAR(S)

PROBABLE CAUSE: BROKEN JOINT BARS ON 132-POUND RAIL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	05/11/80	11:44 PM	PISGAH	CA	REAR-END COLLISION	1	3	$1,684,745

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
45 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN X5050 0 MPH
FREIGHT TRAIN X5687 53 MPH
EQUIPMENT DERAILED: 3 LOCOMOTIVE UNIT(S)
27 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 5687) TO OPERATE THE TRAIN IN COMPLIANCE WITH SIGNAL INDICATIONS.

CONTRIBUTING FACTOR: PROBABLE USE OF ALCOHOL AND INOPERATIVE ELECTRONIC ALERTER.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG ATK	05/12/80	10:00 AM	GALTON	IL	DERAILMENT	0	2	$7,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
46 METHOD OF OPERATION: CAB SIGNAL — MOVEMENTS INVOLVED: PASSENGER TRAIN — 58 — 10 MPH
EQUIPMENT DERAILED: 3 CAR(S)

PROBABLE CAUSE: SPRING RAIL FROG OUT OF ADJUSTMENT DUE TO MISSING RAIL ANCHORS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NW	05/18/80	6:55 AM	PALMER	IL	DERAILMENT	0	0	$1,024,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
47 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS — MOVEMENTS INVOLVED: FREIGHT TRAIN — SP78 — 53 MPH
EQUIPMENT DERAILED: 39 CAR(S)

PROBABLE CAUSE: LATERAL TRACK DISPLACEMENT.

CONTRIBUTING FACTOR: DISPLACEMENT RESULTED FROM SEVERE BUFF FORCES GENERATED BY A PRECEDING TRAIN WHICH WAS REQUIRED TO STOP FOR A SIGNAL. SLACK IN THE TRAIN CAUSED THE RAILS TO SHIFT LATERALLY WHEN THE TRAIN STOPPED.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CO	05/30/80	10:45 AM	YOLYN	WV	DERAILMENT	0	0	$830,800

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
48 METHOD OF OPERATION: TIME TABLE, TRAIN ORDERS — MOVEMENTS INVOLVED: FREIGHT TRAIN — X8232 — UNKNOWN MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S), 60 CAR(S)

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 8232 WEST) TO APPLY SUFFICIENT NUMBER OF HAND BRAKES ON CARS WHILE MAKING UP THE TRAIN ON A 2.58 PERCENT DESCENDING GRADE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BO	06/04/80	6:00 AM	RIDGWAY	PA	DERAILMENT	0	0	$23,400

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
49 METHOD OF OPERATION: AUTOMATIC BLOCK
TRAFFIC CONTROL
EQUIPMENT DERAILED: 10 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN BR-96 30 MPH

PROBABLE CAUSE: BROKEN JOURNAL ON COVERED HOPPER CAR (BN 436141).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK CR	06/05/80	8:17 PM	BALTIMORE	MD	DERAILMENT	0	0	$94,550

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
50 METHOD OF OPERATION: CAB SIGNAL
AUTOMATIC BLOCK
EQUIPMENT DERAILED: 11 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN X7831 15 MPH

PROBABLE CAUSE: IMPROPER TRAIN HANDLING DUE TO USE OF HEAVY DYNAMIC BRAKING.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
LA	06/06/80	2:20 AM	GARLAND	TX	DERAILMENT	0	3	$83,377

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
51 METHOD OF OPERATION: YARD RULES
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 10 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN X4008 16 MPH

PROBABLE CAUSE: TANK CAR WAS OFF-CENTER (WRNX 30241).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MILW BOCT IHB	06/08/80	10:10 PM	NORPAUL	IL	REAR-END COLLISION	0	2	$57,150

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
52 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN 101 0 MPH
FREIGHT TRAIN 209 21 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S)
2 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: FAILURE OF TRAIN CREW (NO. 209) TO OPERATE THE TRAIN IN COMPLIANCE WITH SIGNAL INDICATIONS.

CONTRIBUTING FACTOR: REAR-END MARKING DEVICE WAS MISSING FROM STANDING TRAIN AND REFLECTORIZED METAL MARKERS WERE PREMATURELY REMOVED FROM THE STANDING TRAIN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MILW	06/10/80	7:15 AM	GRAYS LAKE	IL	RAIL-HWY CROSSING	0	18	$310,535

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
53 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: PASSENGER TRAIN 2112 55 MPH
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: MOTORIST FAILED TO COMPLY WITH THE WARNING OF CROSSING PROTECTION DEVICES AND DROVE THE VEHICLE IN FRONT OF THE APPROACHING TRAIN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	06/15/80	09:50 AM	SMALL	TX	DERAILMENT	0	0	$1,051,800

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
54 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X9119 47 MPH
EQUIPMENT DERAILED: 27 CAR(S)

PROBABLE CAUSE: ROLLER BEARING JOURNAL FAILED DUE TO OVERHEATING.

CONTRIBUTING FACTOR: FAILURE TO CORRECTLY IDENTIFY LOCATION OF HOT JOURNAL ON DIGITAL READOUT AND FAILURE TO FOLLOW TIMETABLE INSTRUCTIONS FOR LOCATING HOT JOURNAL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	06/17/80	6:45 PM	HAMMOND	LA	DERAILMENT	0	0	$46,750

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
55 METHOD OF OPERATION: AUTOMATIC BLOCK, YARD RULES, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X8035 8 MPH
EQUIPMENT DERAILED: 6 CAR(S)

PROBABLE CAUSE: INTERACTION OF LATERAL/VERTICAL FORCES ON A 10-DEGREE, 30-MINUTE CURVE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
EJE USSC	06/21/80	11:45 AM	GARY	IN	HEAD-END COLLISION	1	4	$125,000

TYPE OF TRACK: INDUSTRY
CLASS OF TRACK: 1
56 METHOD OF OPERATION: YARD RULES
MOVEMENTS INVOLVED: FREIGHT TRAIN 449 12 MPH; FREIGHT TRAIN USS90 8 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S), 3 CAR(S)

PROBABLE CAUSE: FAILURE OF CREW (USS 90) TO APPROACH CROSSOVER SWITCH PREPARED TO STOP.

CONTRIBUTING FACTOR: THE ELGIN, JOLIET AND EASTERN RAILWAY FAILED TO INSURE THAT U.S. STEEL COMPANY CREWS KNEW OF AND COMPLIED WITH CARRIER OPERATING RULES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BO	06/23/80	03:13 PM	GAITHERSBURG	MD	DERAILMENT	0	1	$29,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
57 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN X3822 20 MPH; LIGHT LOCO(S) X7598 7 MPH
EQUIPMENT DERAILED: 10 CAR(S)

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 3822 EAST) TO COMPLY WITH 15-MPH SPEED RESTRICTION THROUGH CROSSOVER.

CONTRIBUTING FACTOR: FAILURE OF CREW (EXTRA 7598) TO STOP IMMEDIATELY AFTER THE UNCOUPLING OF THE CABOOSE FROM EXTRA 3822.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG ATK	06/27/80	3:55 AM	MEMPHIS	TN	DERAILMENT	0	3	$2,200

TYPE OF TRACK: YARD
CLASS OF TRACK: 1
58 METHOD OF OPERATION: AUTOMATIC BLOCK, YARD RULES, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN 59 10 MPH
EQUIPMENT DERAILED: 2 CAR(S)

PROBABLE CAUSE: WORN SWITCH POINT.

WM	06/27/80	03:15 PM	EDGEMONT	MD	DERAILMENT	0	0	$356,900

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
59 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN X4363 51 MPH
EQUIPMENT DERAILED: 37 CAR(S)

PROBABLE CAUSE: EXCESSIVE SPEED ON A 5-DEGREE, 15-MINUTE CURVE. SPEED WAS RESTRICTED TO 35 MPH.

CONTRIBUTING FACTOR: INACCURATE SPEED INDICATOR ON THE CONTROLLING LOCOMOTIVE UNIT, AND USE OF A YARD CREW NOT QUALIFIED IN ROAD SERVICE.

CO	07/02/80	2:50 PM	ENSEL	MI	DERAILMENT	0	2	$85,200

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
60 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X4215 51 MPH
EQUIPMENT DERAILED: 12 CAR(S), 1 CABOOSE(S)

PROBABLE CAUSE: RAIL BUCKLED DUE TO THERMAL COMPRESSIVE FORCES.

CONTRIBUTING FACTOR: UNSTABLE ROADBED.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	07/08/80	6:55 PM	MAXON	KY	DERAILMENT	0	0	$274,700

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
61 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 19 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN X6015 42 MPH

PROBABLE CAUSE: RAIL BUCKLED DUE TO THERMAL COMPRESSIVE FORCES.

CONTRIBUTING FACTOR: THE CARRIER FAILED TO ADJUST THE 136-POUND CONTINUOUS WELDED RAIL TO 70 DEGREES FAHRENHEIT WHEN THE RAIL CROSSING WAS INSTALLED.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK	07/09/80	06:36 PM	LINDEN	NJ	RAKING COLLISION	1	18	$30,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 6
62 METHOD OF OPERATION: CAB SIGNAL
AUTOMATIC BLOCK
MOVEMENTS INVOLVED: PASSENGER TRAIN 225 50 MPH
WORK TRAIN X4934 35 MPH

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: A PIECE OF BUFFER RAIL WAS PROTRUDING FROM A CAR ON THE WORK TRAIN (EXTRA 4934).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	07/10/80	04:25 PM	HASTINGS	IA	DERAILMENT	0	0	$690,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
63 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 30 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN 163 58 MPH

PROBABLE CAUSE: BROKEN CENTER SILL ON FLAT CAR (GTTX 301174).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NW	07/15/80	05:06 PM	WILLIAMSPORT	IN	DERAILMENT	0	2	$301,600

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
64 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 20 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN X1370 60 MPH

PROBABLE CAUSE: BROKEN RAIL AT THE BASE OF 132-POUND CONTINUOUS WELDED RAIL. THE BROKEN ENDS REMAINED INTACT PERMITTING THE SIGNAL SYSTEM TO DISPLAY A CLEAR ASPECT FOR TRAIN EXTRA 1370.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	07/17/80	7:56 AM	NORTH WALES	PA	REAR-END COLLISION	0	99	$1,398,812

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
65 METHOD OF OPERATION: MANUAL BLOCK
AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 4 LOCOMOTIVE UNIT(S)
MOVEMENTS INVOLVED: PASSENGER TRAIN 406 0 MPH
PASSENGER TRAIN 472 38 MPH

PROBABLE CAUSE: FAILURE OF CREW (NO. 472) TO CONTROL THE TRAIN SPEED IN ACCORDANCE WITH SIGNAL INDICATIONS AND VISIBILITY CONDITIONS.

CONTRIBUTING FACTOR: THE ENGINEER OF TRAIN NO. 472 WAS OPERATING THE TRAIN FROM THE SECOND UNIT DUE TO MECHANICAL PROBLEMS. TRAIN NO. 406 WAS STOPPED ON THE MAIN TRACK DUE TO MECHANICAL PROBLEMS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
LN	07/21/80	9:35 AM	STANTON	TN	DERAILMENT	0	0	$158,600

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
66 METHOD OF OPERATION: TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 3 LOCOMOTIVE UNIT(S)
17 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN 586 49 MPH

PROBABLE CAUSE: FAILURE OF MAINTENANCE-OF-WAY CREW TO COMPLY WITH CARRIER RULES FOR PROPER FLAG PROTECTION BEFORE THE CREW REMOVED A SECTION OF RAIL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	07/26/80	7:58 AM	MULDRAUGH	KY	DERAILMENT	0	4	$1,136,700

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
67 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN 64 41 MPH
EQUIPMENT DERAILED: 4 LOCOMOTIVE UNIT(S)
17 CAR(S)

PROBABLE CAUSE: THE LATERAL FORCE PRODUCED BY EXCESSIVE TRAIN SPEED ON A 6-DEGREE, 40-MINUTE CURVE WITH ONLY 2.5 INCHES OF ELEVATION WAS SUFFICIENT TO ROLL THE HIGH RAIL OUTWARD AND CAUSE THE LOCOMOTIVE WHEELS TO DROP INSIDE THE CAGE.

CONTRIBUTING FACTOR: MAXIMUM AUTHORIZED TRAIN SPEED WAS 30 MPH.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	07/30/80	5:00 AM	MEEKERS	OH	REAR-END COLLISION	0	1	$157,390

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
68 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X6443 0 MPH
LIGHT LOCO(S) X6471 32 MPH
EQUIPMENT DERAILED: 3 LOCOMOTIVE UNIT(S)
3 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 6471) TO OPERATE THE LOCOMOTIVE CONSIST IN ACCORDANCE WITH TIMETABLE INSTRUCTIONS AND SIGNAL INDICATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	07/31/80	09:20 AM	DAVENPORT	NE	DERAILMENT	0	0	$318,569

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
69 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X3054 52 MPH
EQUIPMENT DERAILED: 13 CAR(S)

PROBABLE CAUSE: EXCESSIVE SLACK ACTION DUE TO EMERGENCY BRAKE APPLICATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	07/31/80	9:42 PM	CROTON HARMON	NY	REAR-END COLLISION	0	32	$700

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
70 METHOD OF OPERATION: INTERLOCKING, AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS

MOVEMENTS INVOLVED: PASSENGER TRAIN 783 0 MPH; PASSENGER TRAIN 785 5 MPH

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: FAILURE OF CREW (NO. 785) TO OPERATE THE TRAIN IN COMPLIANCE WITH SIGNAL INDICATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BO	08/19/80	2:57 PM	HAYDEN	IN	DERAILMENT	0	0	$277,200

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
71 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS

MOVEMENTS INVOLVED: FREIGHT TRAIN X3816 55 MPH

EQUIPMENT DERAILED: 23 CAR(S)

PROBABLE CAUSE: INTERACTION OF LATERAL/VERTICAL FORCES TIPPED THE SOUTH RAIL OUTWARD, ALLOWING THE 6TH THROUGH THE 28TH CARS TO DERAIL.

CONTRIBUTING FACTOR: THE FIRST CAR TO DERAIL HAD SIDE BEARING CLEARANCE WHICH SLIGHTLY EXCEEDED FEDERAL FREIGHT CAR SAFETY STANDARDS. THE TRACK STRUCTURE HAD BEEN DISTURBED BY INSTALLATION OF FIVE NEW CROSSTIES IN THE ACCIDENT AREA.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	08/20/80	7:59 AM	CASSVILLE	WI	DERAILMENT	0	0	$602,041

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
72 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS

MOVEMENTS INVOLVED: FREIGHT TRAIN 197 58 MPH

EQUIPMENT DERAILED: 46 CAR(S)

PROBABLE CAUSE: BURNED OFF ROLLER BEARING JOURNAL AT L-1 LOCATION ON FLAT CAR (ETTX 850511).

CONTRIBUTING FACTOR: THE CREW USED AN INCORRECT TOTAL FOR THE NUMBER OF CARS IN THE TRAIN WEILE ATTEMPTING TO MATHEMATICALLY LOCATE THE HOT BEARING INDICATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	08/20/80	10:30 AM	AUGUSTA	KS	SIDE COLLISION	0	0	$7,880

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
73 METHOD OF OPERATION: AUTOMATIC BLOCK
YARD RULES
MOVEMENTS INVOLVED: FREIGHT TRAIN 348T1 33 MPH
CUT OF CARS 0 MPH

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: SIGNAL 2003 DISPLAYED A FALSE PROCEED INDICATION PERMITTING FREIGHT TRAIN 348T1 TO STRIKE A CUT OF CARS WHICH OCCUPIED THE SWITCH FOULING CIRCUIT.

CONTRIBUTING FACTOR: FAILURE OF THE YARD CREW TO DETERMINE IF THE CUT OF CARS CLEARED THE MAIN TRACK. IMPROPER ADJUSTMENT OF TRACK CIRCUIT AND RUSTY RAIL CONDITION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CNW	08/21/80	11:30 PM	DES MOINES	IA	DERAILMENT	0	2	$19,650

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
74 METHOD OF OPERATION: YARD RULES
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X4621 15 MPH
EQUIPMENT DERAILED: 2 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: EXCESSIVE SPEED ON A 3-DEGREE CURVE.

CONTRIBUTING FACTOR: HARMONIC ROCKING OF A LOADED COVERED HOPPER CAR (CNW 170872) AT A CRITICAL TRAIN SPEED AND A RIGID TRUCK UNDER THE "A" END OF THE COVERED HOPPER CAR.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR ATK	08/25/80	5:56 PM	PHILADELPHIA	PA	DERAILMENT	0	0	$16,850

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
75 METHOD OF OPERATION: INTERLOCKING
AUTOMATIC BLOCK
TRAFFIC CONTROL
MOVEMENTS INVOLVED: PASSENGER TRAIN 852 10 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S)

PROBABLE CAUSE: FALSE PROCEED INDICATION OF THE SIGNAL SYSTEM.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	08/26/80	7:55 PM	FERMOY	MN	DERAILMENT	0	0	$1,229,900

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
76 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 47 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X2097 36 MPH

PROBABLE CAUSE: EXCESSIVE SLACK ACTION IN A LOADED ORE TRAIN CAUSED THE 88TH THROUGH THE 134TH CARS TO DERAIL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP ATK	08/28/80	2:55 AM	GIBSON	CA	DERAILMENT	0	4	$41,681

TYPE OF TRACK: SIDING
CLASS OF TRACK: 1
77 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)
11 CAR(S)

MOVEMENTS INVOLVED: PASSENGER TRAIN 11 7 MPH

PROBABLE CAUSE: INTERACTION OF LATERAL/VERTICAL FORCES ON A 10-DEGREE CURVE OVERTURNED THE SOUTH RAIL.

CONTRIBUTING FACTOR: THREE SIX-AXLE LOCOMOTIVE UNITS MAY HAVE CONTRIBUTED TO EXCESSIVE LATERAL/VERTICAL FORCES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MEC	08/28/80	01:10 AM	EAST ST JOHNSBURY	VT	DERAILMENT	0	2	$52,600

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
78 METHOD OF OPERATION: TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 6 CAR(S)
1 CABOOSE(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN EX406 25 MPH

PROBABLE CAUSE: IRREGULAR TRACK ALIGNMENT.

CONTRIBUTING FACTOR: THE MID-ORDINATE AT THE POINT OF DERAILMENT MEASURED 8.9 INCHES AND AT 62 FEET EAST, IT MEASURED 4.5 INCHES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MILW BN	08/29/80	06:00 AM	ST. CROIX	MN	REAR-END COLLISION	0	4	$137,300

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
79 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN X7114 0 MPH
FREIGHT TRAIN EX150 13 MPH

EQUIPMENT DERAILED:
2 LOCOMOTIVE UNIT(S)
2 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 150 EAST) TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATIONS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	09/01/80	10:05 PM	WATERMAN	IL	DERAILMENT	0	0	$690,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
80 METHOD OF OPERATION: TRAFFIC CONTROL
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X6321 55 MPH

EQUIPMENT DERAILED:
41 CAR(S)

PROBABLE CAUSE: BOLT HOLE CRACKS IN A SECTION OF 129-POUND RAIL.

CONTRIBUTING FACTOR: LOOSE TRACK BOLTS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NW LN	09/03/80	3:05 PM	TACOMA	VA	REAR-END COLLISION	0	2	$25,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
81 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X8005 0 MPH
FREIGHT TRAIN X3556 15 MPH

EQUIPMENT DERAILED:
1 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: FALSE PROCEED SIGNAL WAS DISPLAYED FOR TRAIN EXTRA 3556W.

CONTRIBUTING FACTOR: CIRCUIT CHANGE NOT MADE IN ACCORDANCE WITH CIRCUIT PLAN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	09/04/80	4:35 AM	COOKS POINT	TX	DERAILMENT	0	0	$771,900

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
82 METHOD OF OPERATION: AUTOMATIC BLOCK
TRAFFIC CONTROL
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN 248 45 MPH
EQUIPMENT DERAILED: 25 CAR(S)

PROBABLE CAUSE: COMBINATION OF TRAIN HANDLING AND CROSS-LEVEL DEVIATION.

CONTRIBUTING FACTOR: THE LOCOMOTIVE WAS ON A SLIGHTLY ASCENDING GRADE AND THE REAR OF THE TRAIN WAS ON A DESCENDING GRADE. THERE WAS A CROSS-LEVEL DIFFERENCE OF 1.56 INCHES IN LESS THAN 62 FEET.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NW	09/06/80	8:17 AM	FARM	WV	SIDE COLLISION	3	0	$1,398,262

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
83 METHOD OF OPERATION: TRAFFIC CONTROL
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X8075 38 MPH
FREIGHT TRAIN X1589 10 MPH
EQUIPMENT DERAILED: 4 LOCOMOTIVE UNIT(S)
14 CAR(S)

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 8075) TO OPERATE THE TRAIN IN COMPLIANCE WITH SIGNAL INDICATIONS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BO	09/08/80	4:20 PM	SUMNER	IL	DERAILMENT	0	0	$460,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
84 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN X4202 50 MPH
EQUIPMENT DERAILED: 40 CAR(S)

PROBABLE CAUSE: UNDETERMINED.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CNW	09/09/80	10:00 AM	AGNEW	IL	DERAILMENT	0	0	$287,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
85 METHOD OF OPERATION: CAB SIGNAL, TIME TABLE, AUTO TRAIN CONTROL, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X5057 35 MPH
EQUIPMENT DERAILED: 19 CAR(S)

PROBABLE CAUSE: OVERHEATING AND FAILURE OF THE L-2 PLAIN BEARING JOURNAL ON A GONDOLA CAR (CR 533711).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BO	09/17/80	7:00 AM	ROWLESBURG	WV	DERAILMENT	0	0	$137,200

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
86 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN X4255 27 MPH
EQUIPMENT DERAILED: 40 CAR(S)

PROBABLE CAUSE: TRACK ALIGNMENT IN THE 9-DEGREE, 30-MINUTE CURVE VARIED 3.5 INCHES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK ATSF ICG	09/17/80	3:17 PM	CHICAGO	IL	DERAILMENT	0	7	$596,600

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
87 METHOD OF OPERATION: INTERLOCKING, TRAFFIC CONTROL, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN 4 30 MPH
FREIGHT TRAIN 7 10 MPH
CUT OF CARS 0 MPH
EQUIPMENT DERAILED: 3 LOCOMOTIVE UNIT(S), 5 CAR(S)

PROBABLE CAUSE: WIDE GAGE (4 FEET, 10.125 INCHES).

CONTRIBUTING FACTOR: DETERIORATED TIES AND LOOSE TIE PLATES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BO	09/17/80	9:35 PM	HOWARD	PA	DERAILMENT	0	0	$495,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
88 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X4062 30 MPH
EQUIPMENT DERAILED: 24 CAR(S)

PROBABLE CAUSE: BROKEN WHEEL ON TANK CAR (ACFX 89834).

CONTRIBUTING FACTOR: LABORATORY ANALYSIS REVEALED THAT THE WHEEL FAILED DUE TO A FRACTURE FROM A CRITICAL-SIZE FATIGUE CRACK IN THE WHEEL RIM. THE FATIGUE WAS INITIATED IN THE RIM BECAUSE OF A HIGH CONCENTRATION OF NON-METALLIC INCLUSIONS FROM THE MOLD DESIGN POURING TECHNIQUE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	09/20/80	11:00 PM	SNOHOMISH JCT.	WA	DERAILMENT	0	4	$630,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
89 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X6436 58 MPH
EQUIPMENT DERAILED: 5 LOCOMOTIVE UNIT(S), 16 CAR(S)

PROBABLE CAUSE: PERSON OR PERSONS UNKNOWN DISMANTLED A RAIL JOINT, SHIFTING THE END OF A BUFFER RAIL INTO A POSITION TO DERAIL THE TRAIN.

CONTRIBUTING FACTOR: A BOND WIRE WAS SPLICED AROUND THE DISCONNECTED JOINT, PREVENTING THE SIGNAL SYSTEM FROM DISPLAYING A STOP ASPECT.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	09/23/80	05:36 PM	NEW YORK	NY	DERAILMENT	0	17	$51,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
90 METHOD OF OPERATION: INTERLOCKING
MOVEMENTS INVOLVED: PASSENGER TRAIN 897 1 MPH
EQUIPMENT DERAILED: 2 CAR(S)

PROBABLE CAUSE: A MISSING HAND BRAKE ROD CONNECTION PIN ALLOWED THE HAND BRAKE ROD ROLLER TO BIND AT THE TRUCK FRAME AND PREVENTED THE TRUCK FROM SWIVELLING.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	09/25/80	5:20 AM	MENDOTA	IL	DERAILMENT	0	0	$157,700

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
91 METHOD OF OPERATION: TRAFFIC CONTROL
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 8 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X6912 48 MPH

PROBABLE CAUSE: BROKEN WHEEL ON FLAT CAR (TTAX 970694).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CNW	09/25/80	04:05 AM	MISSOURI VALLEY	IA	DERAILMENT	0	2	$412,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
92 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 40 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X6873 30 MPH
FREIGHT TRAIN X6820 10 MPH

PROBABLE CAUSE: IMPROFER TRAIN HANDLING BY CREW (EXTRA 6873 EAST).

CONTRIBUTING FACTOR: A 10-POUND BRAKE APPLICATION WAS MADE WHILE IN A 3-DEGREE CURVE WITH 2-INCH ELEVATION. SLACK IN THE TRAIN CAUSED THE 31ST THROUGH THE 61ST CARS TO DERAIL AND STRIKE EXTRA 6820 WEST MOVING ON ADJACENT TRACK.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BO	09/27/80	7:20 PM	SHELBY	OH	DERAILMENT	0	0	$269,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
93 METHOD OF OPERATION: TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 34 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN XW135 40 MPH

PROBABLE CAUSE: BROKEN RAIL CAUSED BY TRANSVERSE FISSURE IN 130-POUND CONTINUOUS WELDED RAIL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR ATK	09/28/80	2:27 PM	PAOLI	PA	DERAILMENT	0	0	$192,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
94 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN PICA7 27 MPH
EQUIPMENT DERAILED: 24 CAR(S)

PROBABLE CAUSE: RECENTLY TIED AND SURFACED TRACK SHIFTED LATERALLY UNDER THE TRAIN'S MOVEMENT DUE TO INSUFFICIENT BALLAST ON THE NORTH RAIL TIE SHOULDER.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NW	09/30/80	3:38 PM	EXCELSIOR	WV	REAR-END COLLISION	0	0	$176,000

TYPE OF TRACK: SIDING
CLASS OF TRACK: 2
95 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X1723 26 MPH
CUT OF CARS 0 MPH
EQUIPMENT DERAILED: 3 LOCOMOTIVE UNIT(S)
4 CAR(S)

PROBABLE CAUSE: PERSON OR PERSONS UNKNOWN OPENED A HAND-OPERATED SWITCH IMMEDIATELY IN ADVANCE OF EXTRA 1723, CAUSING THE FREIGHT TRAIN TO ENTER A TRACK OCCUPIED BY LOADED HOPPER CARS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
FEC	10/01/80	08:15 PM	VERO BEACH	FL	REAR-END COLLISION	0	0	$246,288

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
96 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN EX424 30 MPH
CUT OF CARS 0 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S)

PROBABLE CAUSE: PERSON OR PERSONS UNKNOWN OPENED A SWITCH IMMEDIATELY IN ADVANCE OF EXTRA 424, CAUSING IT TO ENTER AN AUXILIARY TRACK OCCUPIED BY A CUT OF 10 CARS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	10/06/80	12:30 PM	ROCKVILLE	OH	DERAILMENT	0	0	$50,750

TYPE OF TRACK: YARD
CLASS OF TRACK: 1
97 METHOD OF OPERATION: INTERLOCKING — MOVEMENTS INVOLVED: YARD/SWITCHING Y9138 4 MPH
EQUIPMENT DERAILED: 4 CAR(S)

PROBABLE CAUSE: FALSE PROCEED SIGNAL INDICATION DUE TO FAILURE OF THE ROUTE LOCKING TO REMAIN EFFECTIVE WHILE YARD JOB NO. 9138 PASSED OVER SWITCH NO. 17 AT THE ROCKVILLE INTERLOCKING.

CONTRIBUTING FACTOR: POSSIBLE IMPROPER TESTING PROCEDURES OF THE RELAYS BY THE CARRIER BEFORE THE DERAILMENT RESULTED IN THE ROUTE LOCKING BEING RENDERED INEFFECTIVE AND CAUSING SWITCH NO. 17 TO MOVE FROM THE "REVERSE" POSITION TO THE "NORMAL" POSITION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
LN	10/07/80	8:15 AM	CRESTVIEW	FL	REAR-END COLLISION	0	2	$26,514

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
98 METHOD OF OPERATION: MANUAL BLOCK — MOVEMENTS INVOLVED: FREIGHT TRAIN 400 5 MPH
FREIGHT TRAIN X4115 13 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S)
1 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: FAILURE OF CREW (NO. 400) TO PROVIDE FLAG PROTECTION FOR THE REAR OF THE TRAIN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
LI	10/07/80	8:57 AM	LYNBROOK	NY	REAR-END COLLISION	0	8	$516,848

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
99 METHOD OF OPERATION: AUTOMATIC BLOCK — MOVEMENTS INVOLVED: PASSENGER TRAIN 804 0 MPH
TIME TABLE PASSENGER TRAIN 814 0 MPH
PASSENGER TRAIN 816 30 MPH
EQUIPMENT DERAILED: 15 LOCOMOTIVE UNIT(S)

PROBABLE CAUSE: FAILURE OF CREW (NO. 816) TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATIONS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG ATK	10/12/80	7:20 PM	CRYSTAL SPRINGS	MS	DERAILMENT	0	41	$450,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
100 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
EQUIPMENT DERAILED: 8 CAR(S)

MOVEMENTS INVOLVED: PASSENGER TRAIN — 58 — 75 MPH

PROBABLE CAUSE: JOINT BARS WITH TRANSVERSE FATIGUE CRACKS BROKE UNDER THE TRAIN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	10/13/80	8:50 AM	LORENZO	IL	RAIL-HWY CROSSING	1	1	$92,600

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
101 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
EQUIPMENT DERAILED: 1 CAR(S)

MOVEMENTS INVOLVED: PASSENGER TRAIN — 300 — 79 MPH

PROBABLE CAUSE: MOTORIST FAILED TO COMPLY WITH THE WARNING OF CROSSING PROTECTION DEVICES AND DROVE THE VEHICLE THROUGH A LOWERED CROSSING GATE INTO THE SIDE OF THE TRAIN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR ATK	10/14/80	09:25 AM	RENSSELAER	NY	HEAD-END COLLISION	0	1	$150,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
102 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: NONE

MOVEMENTS INVOLVED: PASSENGER TRAIN — 62 — 45 MPH
WORK TRAIN — 1282 — 5 MPH

PROBABLE CAUSE: THE BALLAST REGULATOR PASSED A STOP SIGNAL WITHOUT PERMISSION.

CONTRIBUTING FACTOR: FAILURE TO ISSUE PROPER INSTRUCTIONS TO THE MAINTENANCE-OF-WAY CREW. LACK OF COMMUNICATION BETWEEN MAINTENANCE-OF-WAY CREW AND THE CREW OF THE BALLAST REGULATOR.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	10/16/80	3:05 PM	HERMOSA	WY	REAR-END COLLISION	2	2	$758,826

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
103 METHOD OF OPERATION: CAB SIGNAL — MOVEMENTS INVOLVED: FREIGHT TRAIN X3557 0 MPH
TRAFFIC CONTROL — FREIGHT TRAIN X3749 39 MPH
AUTO TRAIN STOP
EQUIPMENT DERAILED: 3 LOCOMOTIVE UNIT(S)
16 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 3749) TO CONTROL TRAIN SPEED IN COMPLIANCE WITH RESTRICTIVE SIGNAL INDICATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	10/17/80	03:25 PM	ST. LOUIS	MO	HEAD-END COLLISION	0	4	$9,200

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
104 METHOD OF OPERATION: AUTOMATIC BLOCK — MOVEMENTS INVOLVED: LIGHT LOCO(S) 8 MPH
YARD RULES — FREIGHT TRAIN X1108 8 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)

PROBABLE CAUSE: FAILURE OF BOTH CREWS TO OPERATE THE TRAINS ACCORDING TO YARD LIMIT RULES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
AWP LN SCL	10/21/80	12:50 PM	TILFORD	GA	REAR-END COLLISION	0	2	$218,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
105 METHOD OF OPERATION: MANUAL BLOCK — MOVEMENTS INVOLVED: LIGHT LOCO(S) 50 MPH
INTERLOCKING — CUT OF CARS 50 MPH
YARD RULES — FREIGHT TRAIN 323 0 MPH
EQUIPMENT DERAILED: 6 LOCOMOTIVE UNIT(S)
12 CAR(S)

PROBABLE CAUSE: A SHORT CIRCUIT IN THE JUMPER CABLE CONNECTING TWO UNATTENDED LOCOMOTIVE UNITS (SCL 1548 AND SCL 1513) ENERGIZED CONTROL CIRCUITS THROUGHOUT THE CONSIST.

CONTRIBUTING FACTOR: THE UNATTENDED LOCOMOTIVE CONSIST MOVED WESTWARD FOR 4,900 FEET AND STRUCK A CUT OF 16 CARS. THE CARS AND LOCOMOTIVE CONSIST CONTINUED WESTWARD OVER THE GEORGIA RAILROAD TO THE LOUISVILLE AND NASHVILLE RAILROAD WHERE THE MOVEMENT STRUCK SEABOARD COAST LINE TRAIN NO. 323.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	10/23/80	2:20 AM	HOLT	CA	DERAILMENT	0	0	$664,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
106 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X3437 10 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S)
1 CAR(S)

PROBABLE CAUSE: WASHOUT OF TRACK EMBANKMENT.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	10/25/80	6:45 AM	BUFFALO	NY	DERAILMENT	0	0	$500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
107 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: LIGHT LOCO(S) 970 5 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)

PROBABLE CAUSE: FAILURE OF CREW TO CONTROL THE TRAIN SPEED IN ACCORDANCE WITH A RESTRICTED SIGNAL INDICATION.

CONTRIBUTING FACTOR: FAILURE TO ADEQUATELY SECURE THE DERAILMENT ROUTE, ALLOWED A "PROCEED AT RESTRICTED SPEED" SIGNAL TO BE DISPLAYED IN THE WORK AREA. THE LIGHT LOCOMOTIVE CONSIST WAS ROUTED INTO AN AREA WHERE RAIL HAD BEEN REMOVED.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
LN	10/25/80	10:05 PM	UPTON	IN	DERAILMENT	0	1	$0

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
108 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN 2/761 30 MPH
FREIGHT TRAIN 1/796 0 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)
19 CAR(S)

PROBABLE CAUSE: PLAIN BEARING JOURNAL ON A BOX CAR (CNW 8904) OVERHEATED IN TRAIN NO. 2/761.

CONTRIBUTING FACTOR: THE LOCATION OF THE HOT JOURNAL WAS MISCALCULATED AFTER THE TRAIN STOPPED FOR INSPECTION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	10/27/80	6:15 PM	ARCOLA	IN	RAIL-HWY CROSSING	0	11	$500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
109 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X6296 42 MPH
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: FAILURE OF MOTORIST TO YIELD RIGHT-OF-WAY TO TRAIN AT CROSSING.

CONTRIBUTING FACTOR: SLEET AND DARKNESS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG ATK	10/30/80	08:40 PM	KANSAS CITY JCT.	IL	DERAILMENT	0	6	$583,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
110 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: PASSENGER TRAIN 21 60 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S)
7 CAR(S)

PROBABLE CAUSE: FAILURE OF CREW TO OPERATE THE TRAIN IN COMPLIANCE WITH A 10-MPH SPEED RESTRICTION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SLSF	11/01/80	11:15 AM	ST. JAMES	MO	DERAILMENT	0	0	$355,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
111 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN EX765 56 MPH
EQUIPMENT DERAILED: 23 CAR(S)

PROBABLE CAUSE: DRAFT LUGS FAILED AT THE "B" END OF A TANK CAR (MDAX 2092) AND THE DRAFT ASSEMBLY (COUPLER, YOKE, DRAFT GEAR, AND FOLLOWER PLATE) FELL BETWEEN THE RAILS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	11/02/80	9:10 PM	BENEDUM	TX	DERAILMENT	0	0	$218,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
112 METHOD OF OPERATION: TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X3803 26 MPH
EQUIPMENT DERAILED: 11 CAR(S)

PROBABLE CAUSE: BROKEN JOINT BAR ON 70-POUND RAIL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR ATK	11/07/80	4:12 PM	DOBBS FERRY	NY	HEAD-END COLLISION	0	86	$687,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
113 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN 74 0 MPH; FREIGHT TRAIN X2806 12 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S), 2 CAR(S)

PROBABLE CAUSE: FAILURE TO APPLY BLOCKING DEVICES TO SWITCHES AFFECTING TRAFFIC DIRECTION, AS INSTRUCTED BY THE TRAIN DISPATCHER.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	11/11/80	06:15 PM	KILDARE	TX	DERAILMENT	0	0	$71,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 6
114 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X3003 35 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S), 13 CAR(S)

PROBABLE CAUSE: FALSE PROCEED SIGNAL INDICATION DUE TO SWITCH BEING LOCKED AND POINT DETECTOR CONTACTS CLOSED.

CONTRIBUTING FACTOR: IMPROPER ADJUSTMENT OF SWITCH MACHINE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	11/12/80	2:10 PM	BLACK BUTTES	WY	SIDE COLLISION	0	2	$490,017

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
115 METHOD OF OPERATION: AUTOMATIC BLOCK
MOVEMENTS INVOLVED: FREIGHT TRAIN X3075 25 MPH
FREIGHT TRAIN X3737 40 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE UNIT(S)
15 CAR(S)

PROBABLE CAUSE: FAILURE OF SWITCHTENDER TO PROPERLY ALIGN THE CROSSOVER SWITCH.

CONTRIBUTING FACTOR: FAILURE TO CONTROL TRAIN ACCORDING TO TRAIN ORDERS; REMOVAL OF EXISTING SWITCHES AND INSTALLATION OF NEW HAND-OPERATED CROSSOVER WITHOUT NOTIFICATION TO TRAIN CREWS; AND USE OF A HAND-OPERATED CROSSOVER LOCATED OUTSIDE THE LIMITS DESCRIBED IN THE TRAIN ORDER.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
TRRA BN	11/16/80	10:06 PM	GRANITE CITY	IL	DERAILMENT	0	0	$0

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
116 METHOD OF OPERATION: INTERLOCKING
MOVEMENTS INVOLVED: LIGHT LOCO(S) X7922 10 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)

PROBABLE CAUSE: SWITCH REVERSED UNDER LOCOMOTIVE CONSIST.

CONTRIBUTING FACTOR: TRACK REPEATER RELAY WAS FALSELY ENERGIZED, WHICH RENDERED THE ROUTE LOCKING INEFFECTIVE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	11/17/80	2:29 PM	KELSO	CA	REAR-END COLLISION	3	3	$743,446

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
117 METHOD OF OPERATION: TRAFFIC CONTROL
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X9646 80 MPH
FREIGHT TRAIN X3119 118 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)
23 CAR(S)
2 CABOOSE(S)

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 3119 WEST) TO PROPERLY CONTROL TRAIN SPEED.

CONTRIBUTING FACTOR: EXTRA 3119 WEST DID NOT RECEIVE A PROPER INITIAL TERMINAL TRAIN AIR BRAKE TEST. THE TRAIN WAS DISPATCHED WITH A SINGLE LOCOMOTIVE UNIT WITH INOPERATIVE DYNAMIC BRAKING FEATURE. THE CREW WAS GIVEN UNDER-ESTIMATED TONNAGE FIGURES FOR THE TRAIN WEIGHT.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ASAB L&N	11/21/80	9:35 PM	COTTONDALE	FL	SIDE COLLISION	0	0	$18,150

	TYPE OF TRACK:	MAIN			
	CLASS OF TRACK:	4			
118	METHOD OF OPERATION:	MANUAL BLOCK	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X507 5 MPH
		TIME TABLE		FREIGHT TRAIN	X1012 3 MPH
		TRAIN ORDERS			
	EQUIPMENT DERAILED:	2 LOCOMOTIVE UNIT(S)			
		3 CAR(S)			

PROBABLE CAUSE: FAILURE OF CREW (L&N EXTRA 1012 SOUTH) TO STOP TRAIN AT CROSSING GATE IN ACCORDANCE WITH THE CARRIER'S SPECIAL INSTRUCTIONS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CNW	11/24/80	05:09 AM	WAUKEGAN	IL	DERAILMENT	0	0	$2,000

	TYPE OF TRACK:	MAIN			
	CLASS OF TRACK:	3			
119	METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED:	PASSENGER TRAIN	300 43 MPH
	EQUIPMENT DERAILED:	1 LOCOMOTIVE UNIT(S)			

PROBABLE CAUSE: WHEEL FAILURE CAUSED BY EXTREMELY HIGH TEMPERATURES GENERATED IN FLANGE AREAS, WHICH INITIATED THERMAL CRACKS AND ADVERSELY AFFECTED THE STRUCTURAL STRENGTH OF THE WHEEL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	11/25/80	6:58 PM	KENNER	LA	RAIL-HWY CROSSING	7	5	$10,000

	TYPE OF TRACK:	MAIN			
	CLASS OF TRACK:	2			
120	METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X3070 25 MPH
		YARD RULES			
	EQUIPMENT DERAILED:	1 LOCOMOTIVE UNIT(S)			

PROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE CROSSING AS REQUIRED BY FEDERAL AND STATE LAW.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
GA	11/26/80	5:45 AM	SOCIAL CIRCLE	GA	DERAILMENT	0	2	$87,896

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
121 METHOD OF OPERATION: MANUAL BLOCK, AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN 277 15 MPH
EQUIPMENT DERAILED: 11 CAR(S)

PROBABLE CAUSE: PLAIN BEARING JOURNAL FAILURE ON TANK CAR (ACFX 578).

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SCL	11/29/80	11:00 AM	THRIFT	NC	RAIL-HWY CROSSING	1	3	$33,360

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
122 METHOD OF OPERATION: MANUAL BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN 245 25 MPH
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: FAILURE OF MOTORIST TO STOP AT THE RAIL-HIGHWAY CROSSING.

CONTRIBUTING FACTOR: THE MOTORIST'S VIEW OF THE CROSSING WAS RESTRICTED BY TREES, BRUSH, AND A STORAGE TANK.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BO	12/04/80	3:35 AM	NEW MIAMI	OH	DERAILMENT	0	1	$772,900

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
123 METHOD OF OPERATION: TRAFFIC CONTROL, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN ADIX 38 MPH
EQUIPMENT DERAILED: 23 CAR(S)

PROBABLE CAUSE: EXCESSIVE LATERAL FORCE, CAUSED BY MISSING COUPLER SHANK LIMITING BLOCKS ON TWO NEW "EMD" LOCOMOTIVE UNITS IN TOW, CAUSED THE RAILS TO SPREAD AND PERMITTED A BOX CAR (CN 565731) TO DROP INSIDE THE GAGE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	12/08/80	3:05 PM	SYRACUSE	NY	REAR-END COLLISION	1	1	$14,703

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
124 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 1 CAR(S)

MOVEMENTS INVOLVED: LIGHT LOCO(S) X2949 35 MPH
WORK TRAIN X1174 10 MPH

PROBABLE CAUSE: FAILURE TO COMPLY WITH CARRIER RULES BY ALLOWING A TRAIN MOVEMENT (EXTRA 2949 WEST) TO FOLLOW TRACK CAR (HRCX 1174) INTO THE SAME BLOCK.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BM	12/15/80	6:45 PM	MANCHESTER	NH	RAIL-HWY CROSSING	2	2	$9,798

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
125 METHOD OF OPERATION: INTERLOCKING
AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S)

MOVEMENTS INVOLVED: PASSENGER TRAIN 33 40 MPH

PROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE CROSSING UNTIL THE TRAIN PASSED.

CONTRIBUTING FACTOR: THE POSSIBLE USE OF ALCOHOL BY THE MOTORIST MAY HAVE CONTRIBUTED TO THE ACCIDENT.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	12/16/80	10:10 AM	ALIX	AR	DERAILMENT	0	0	$133,350

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
126 METHOD OF OPERATION: AUTOMATIC BLOCK
EQUIPMENT DERAILED: 18 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X6071 32 MPH

PROBABLE CAUSE: BRAKES WERE APPLIED IN EMERGENCY RESULTING IN SLACK ACTION.

CONTRIBUTING FACTOR: MAINTENANCE-OF-WAY PERSONNEL FAILED TO PROPERLY FLAG, LEAVING INSUFFICIENT STOPPING DISTANCE FOR THE TRAIN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
WP	12/28/80	03:05 PM	CLIVE	UT	DERAILMENT	0	0	$634,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
127 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 53 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X3546 60 MPH

PROBABLE CAUSE: EXCESSIVE SPEED.

CONTRIBUTING FACTOR: ALTHOUGH THE SPOOL AND SPEED TAPE WERE MISSING FROM THE LOCOMOTIVE AFTER THE DERAILMENT, THE CARRIER CALCULATED THAT THE TRAIN WAS OPERATED ABOUT 15 MPH OVER THE SPEED RESTRICTION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SIRC	12/29/80	8:03 AM	STATEN ISLAND	NY	OBSTRUCTION	0	57	$6,049

TYPE OF TRACK: YARD
CLASS OF TRACK: 1
128 METHOD OF OPERATION: INTERLOCKING
AUTOMATIC BLOCK
EQUIPMENT DERAILED: NONE

MOVEMENTS INVOLVED: PASSENGER TRAIN 619 4 MPH

PROBABLE CAUSE: FAILURE OF CREW TO PROPERLY CONTROL THE TRAIN'S MOVEMENT INTO THE ASSIGNED TRACK AT THE PASSENGER TERMINAL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NW	12/29/80	8:50 AM	SINGER	VA	HEAD-END COLLISION	0	5	$915,993

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
129 METHOD OF OPERATION: INTERLOCKING
TRAFFIC CONTROL
TIME TABLE
EQUIPMENT DERAILED: 9 LOCOMOTIVE UNIT(S)
27 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X8072 22 MPH
FREIGHT TRAIN X645 37 MPH

PROBABLE CAUSE: FAILURE OF CREW (EXTRA 8072 WEST) TO CONTROL TRAIN SPEED IN ACCORDANCE WITH SIGNAL INDICATIONS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN SLSF	12/30/80	11:40 AM	REPUBLIC	MO	DERAILMENT	0	0	$5,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
130 METHOD OF OPERATION: TRAFFIC CONTROL
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN EX730 15 MPH

EQUIPMENT DERAILED:
4 LOCOMOTIVE UNIT(S)
1 CAR(S)

PROBABLE CAUSE: FAILURE OF TRAIN DISPATCHER TO PROTECT MAINTENANCE-OF-WAY CREW.

CONTRIBUTING FACTOR: FAILURE TO USE SIGNAL BLOCKING DEVICE FOR PROTECTION OF TRACK WORK. FALSE PROCEED SIGNAL WAS DISPLAYED FOR EXTRA 730 EVEN THOUGH A SECTION OF RAIL WAS REMOVED.

*U.S. GOVERNMENT PRINTING OFFICE : 1982 0-361-626/2010